

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/066663 A1

(51) International Patent Classification⁷: H04Q 7/38

(74) Agent: SÖDERMAN, Päivi; SmartTrust Systems Oy, P.O. Box 119, FIN-00511 Helsinki (FI).

(21) International Application Number:

PCT/SE2003/001881

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 3 December 2003 (03.12.2003)

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0300129-4 17 January 2003 (17.01.2003) SE

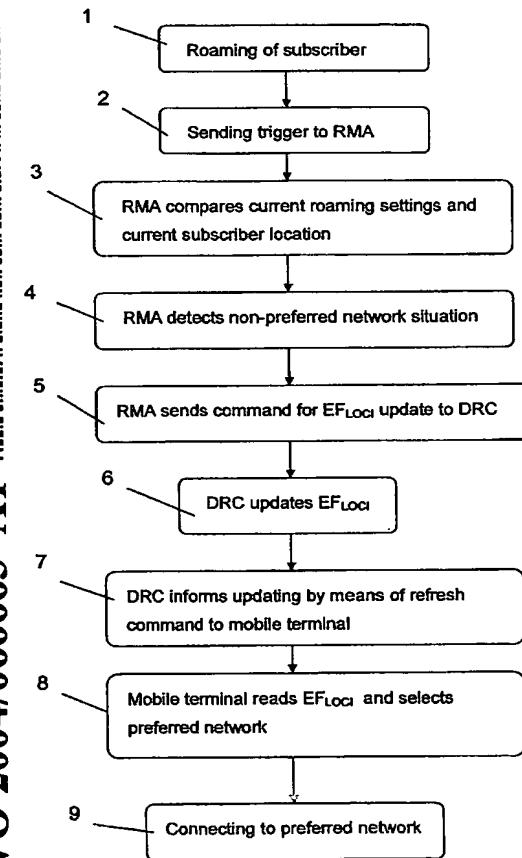
(71) Applicant (for all designated States except US): SMART-TRUST AB [SE/SE]; Box 471 54, S-100 74 Stockholm (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ALMGREN, Fredrik [SE/SE]; Kocksgatan 26, S-116 24 Stockholm (SE).

[Continued on next page]

(54) Title: ROAMING METHOD



(57) Abstract: The method of the invention is concerned with management of roaming of mobile subscribers between a home network and foreign networks. In the method, the roaming behavior of a mobile terminal is based on roaming settings in the form of contents of different control files saved in the mobile terminal of the subscribers. A first file contains a list of networks to be used in a priority order in a roaming situation and a second file contains information about the last network the subscriber was registered in. It is the second file that primarily is used as information in the roaming situation. The method starts with roaming of the subscriber from one network to another network, and checking the current roaming setting for the subscriber. If the network that the subscriber roamed into does not correspond to the highest priority network, the subscriber is moved to a preferred network corresponding to the priority order of said list. The moving takes place by saving changed second file information to be used in the moving and sending the information about said change to the mobile terminal. The network connection is then re-established by the mobile terminal by selecting the preferred network from said changed information.

WO 2004/066663 A1